

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 100 | ((check verify verification confirm) near4 (network near3 (condition state QoS "quality of service"))) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/12 09:46 |
| L2 | 7 | 1 and (video) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/12 09:47 |
| S1 | 100 | ("5818789" "6243591" "4327258" "4975859" "5479212" "5617333" "5629948" "5792202" "4845642" "4907262" "4928298" "5016159" "5185763" "5222077" "5426638" "5455412" "5494051" "5497374" "5694119" "5715257" "5737633" "5744955" "5749374" "5793869" "5907556" "5963033" "5995490" "6172979" "6178535" "6181730" "3870821" "4047159" "4050067" "4275456" "4387269" "4395624" "4408204" "4420886" "4426714" "4428057" "4428052" "4447892" "4451736" "4500953" "4519081" "4531189" "4538868" "4547778" "4554900" "4591974").pn. ("4608661" "4612541" "4621374" "4628271" "4764120" "4799040" "4815040" "4816767" "4839654" "4843480" "4845616" "4851997" "4860001" "4860003" "4872183" "4879655" "4879697" "4885777" "4901148" "4908828" "4912627" "4913157" "4937568" "4942601" "4966049" "4987485" "4990907" "4995002" "4995033" "5011191" "5018171" "5020099" "5046003" "5189630" "5220439" "5225722" "5228076" "5241510" "5268596" "5276837" "5289586" "5299207" "5309398" "5321364" "5323345" "5329532" "5341223" "5341331" "5349623" "5361060").pn. | US-PGPUB; USPAT | OR | OFF | 2005/03/29 09:01 |
| S2 | 18 | (725/97) and (725/96) and @ad<"20001113" | US-PGPUB; USPAT | OR | OFF | 2005/02/07 13:30 |
| S3 | 1 | "6154772".pn. | US-PGPUB; USPAT | OR | OFF | 2005/02/07 13:50 |
| S4 | 88 | (725/97) and (@ad<"20001113") | US-PGPUB; USPAT | OR | OFF | 2005/02/07 15:51 |

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| S5 | 1 | "6434343".pn. | US-PGPUB; USPAT | OR | OFF | 2005/02/07 15:51 |
| S6 | 115 | ("5586264").URPN. | USPAT | OR | OFF | 2005/02/08 07:51 |
| S7 | 12 | ("4616263" "4679191" "4949187" "5089885" "5133079" "5166930" "5200989" "5283639" "5289461" "5406556" "5414455" "5442390").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:13 |
| S8 | 7383 | (transmission same buffer\$1) and (transmission near\$2 controller\$1) and (packet size\$1 or length or frame\$1) and (video) and (@ad<"20001113") | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:17 |
| S9 | 6035 | S8 and (bandwidth or speed or connection same rate or transmission same speed) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:18 |
| S10 | 793 | S9 and (coder\$1) and (decoder\$1) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:19 |
| S11 | 140 | S10 and (user same group) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:30 |
| S12 | 75 | (725/96) and @ad<"20001113" | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:30 |
| S13 | 6 | S12 and (transmitter or transmission same buffer) and (packet same size or packet same length) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:42 |
| S14 | 0 | (725/67) and (@ad<"20001113") and (buffer\$1) and (group same users same speed) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:43 |
| S15 | 25 | (725/67) and (@ad<"20001113") and (buffer\$1) and (group\$1 or grouping) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:43 |
| S16 | 23 | S15 and (video) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:43 |
| S17 | 18 | S15 and (video and audio) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/08 08:43 |
| S18 | 0 | (725/86-153) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:03 |

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| S19 | 2663 | ("725"/\$) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:05 |
| S20 | 398 | S19 and (server or "video server") and (coder or buffer) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:14 |
| S21 | 18 | ("725"/15) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:05 |
| S22 | 251 | S20 and ("transmission controller" or controller) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:19 |
| S23 | 5 | S20 and ("transmission controller") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:15 |
| S24 | 0 | ("video server" or server)and (coder or buffer) and ("transmission controller") and ("key frame") and ("reference frame") and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:22 |
| S25 | 12 | ("video server" or server)and (coder or buffer or "transmission controller") and ("key frame") and ("reference frame") and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:29 |
| S26 | 18 | (725/15) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:23 |
| S27 | 2014 | ("key frame") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:30 |
| S28 | 555 | S27 and (coder or buffer) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:30 |

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| S29 | 274 | S28 and (controller) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 09:31 |
| S30 | 142 | S29 and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 10:45 |
| S31 | 116 | protocol same distribution same video same (transcod\$3 or cover\$5 or cod\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 10:46 |
| S32 | 45 | S31 and (@ad<"20001113") and (rlad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 10:59 |
| S33 | 45 | S31 and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 10:59 |
| S34 | 44 | S31 and (@ad<"20001113") | US-PGPUB; USPAT | OR | OFF | 2005/03/29 10:59 |
| S35 | 490 | protocol same fram\$3 same video same (transcod\$3 or cover\$5 or cod\$3) | US-PGPUB; USPAT | OR | OFF | 2005/03/29 11:00 |
| S36 | 258 | S35 and (@ad<"20001113") and (rlad<"20001113") | US-PGPUB; USPAT | OR | OFF | 2005/03/29 12:10 |
| S37 | 490 | protocol same fram\$3 same video same (transcod\$3 or cover\$5 or cod\$3) | US-PGPUB; USPAT | OR | OFF | 2005/03/29 12:10 |
| S38 | 258 | S37 and (@ad<"20001113") and (rlad<"20001113") | US-PGPUB; USPAT | OR | OFF | 2005/03/29 12:12 |
| S39 | 111 | protocol same distribution same video same (transcod\$3 or cover\$5 or cod\$3) | US-PGPUB; USPAT | OR | OFF | 2005/03/29 12:20 |
| S40 | 44 | S39 and (@ad<"20001113") and (rlad<"20001113") | US-PGPUB; USPAT | OR | OFF | 2005/03/29 12:20 |
| S41 | 20 | S39 and (@ad<"20001113") and (@rlad<"20001113") | US-PGPUB; USPAT | OR | OFF | 2005/03/29 12:20 |
| S42 | 58 | protocol same distribution same video same (transcod\$3 or cover\$5 or cod\$3) | US-PGPUB | OR | OFF | 2005/03/29 13:08 |
| S43 | 2 | S42 and (@ad<"20001113") | US-PGPUB | OR | OFF | 2005/03/29 12:21 |
| S44 | 0 | "6253375".pn. | US-PGPUB | OR | OFF | 2005/03/29 13:08 |

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| S45 | 2 | "6253375".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 13:12 |
| S46 | 0 | "stream caching server" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 13:12 |
| S47 | 6 | "stream caching server" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 14:27 |
| S48 | 1592 | (transmit\$4 with video\$1 or frame\$1) and ("key frame" or "reference frame") and (@ad<"20001113")and (@rlad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 14:30 |
| S49 | 464 | (transmit\$4 with video\$1 or frame\$1) and ("key frame" or "reference frame" WITH (cod\$4 or encod\$4)) and (@ad<"20001113")and (@rlad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 14:31 |
| S50 | 681 | S48 and (check\$4 or verif\$6 WITH (encod\$3 or cod\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 14:34 |
| S51 | 545 | S50 and (calculat\$4 or measure\$3 same "frame size") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 14:37 |
| S52 | 166 | "key frame" and (@ad<"20001113") and (@rlad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 08:10 |
| S53 | 3 | "key frame" and (tween\$5) and (@ad<"20001113") and (@rlad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/29 14:53 |
| S54 | 39979 | ("key frame" or "reference frame" or frame) and (encod\$4 or cod\$4 or decod\$4)and (@ad<"20001113") and (@rlad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 08:11 |

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| S55 | 55215 | ("key frame" or "reference frame" or frame) and (encod\$4 or cod\$4 or decod\$4 or compression)and (@ad<"20001113") and (@rlad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 09:01 |
| S56 | 43932 | ("key frame" or "reference frame" or frame or header) and (encod\$4 or cod\$4 or decod\$4)and (@ad<"20001113") and (@rlad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 09:02 |
| S57 | 14771 | S56 and (check or verify or confirm WITH (encod\$3 NEAR4 (data or frame\$1 or packet\$1))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 09:04 |
| S58 | 14765 | S57 and (check or verify or confirm WITH (transmit\$3 or transmission NEAR4 (data or frame\$1 or packet\$1))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 09:05 |
| S59 | 9622 | S57 and (transmit\$3 or transmission NEAR4 (data or frame\$1 or packet\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 09:06 |
| S60 | 5640 | S59 and buffer\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 09:08 |
| S61 | 5281 | S60 and (calculat\$3 or estimate or determine or compute NEAR4 ((size or length NEAR frame\$1 or packet\$1 or data))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 09:15 |
| S62 | 66 | S61 and ("725"/\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 09:19 |
| S63 | 4144 | S61 and (video adj\$4 stream\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 09:19 |
| S64 | 30 | S63 and (709/231) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 09:21 |

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| S65 | 530 | ((("video server" video)near7 (((transmi6 send\$3) near4 (cod\$3 buffer))) and (@ad<"20001113")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/03 11:22 |
| S66 | 0 | S65 and (key adj2 frame) and (reference adj2 frame) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/03 11:23 |
| S67 | 6 | S65 and (key adj2 frame) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/03 12:24 |
| S68 | 104 | (coder and "transmission buffer") and (video) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/03 16:08 |
| S69 | 19885356 | ("key frame") and video (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/03 16:10 |
| S70 | 19884709 | ("key frame" adj2 data) and video (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 09:55 |
| S71 | 3860 | ((("key frame" "reference frame" frame\$1) near3 ((encod\$3 cod\$3) adj2 data)) and (@ad<"20001113")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:01 |
| S72 | 41 | ((("key frame" "reference frame") near3 ((encod\$3 cod\$3) adj2 data)) and (@ad<"20001113")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:50 |
| S73 | 0 | ((decid\$3 check\$3 verif\$8) near3 ((need necessary) near3 "key frame")) and ((check\$3 verif\$8) near3 (continuous\$2 near3 encod\$3)) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:26 |
| S74 | 0 | ((decid\$3 check\$3 verif\$8) near3 ((need necessary) near3 "key frame")) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:26 |

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| S75 | 12 | ((check\$3 verif\$8) near3 (continuous\$2 near3 encod\$3)) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:27 |
| S76 | 5 | S75 and video | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:26 |
| S77 | 490 | (continuous\$2 near3 encod\$3) and video and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 13:10 |
| S78 | 397 | S77 and ((reference key adj2 frame\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:28 |
| S79 | 397 | S77 and ((reference key adj2 frame\$1)near3 encod\$3 cod\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:29 |
| S80 | 6 | S77 and (((reference key) adj2 frame\$1) near3 (encod\$3 cod\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:29 |
| S81 | 17 | S77 and ((check verify) near3 (encod\$3 cod\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:48 |
| S82 | 421 | ((check verify validat\$3) near3 ((encod\$3 cod\$3) near4 frame\$1)) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:54 |
| S83 | 0 | S72 and S82 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:50 |
| S84 | 3 | S82 and ("reference frame" "key frame") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:50 |

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| S85 | 163 | ((check verify validat\$3) adj2 ((encod\$3 cod\$3) near4 frame\$1)) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 10:55 |
| S86 | 0 | ((check verify) adj2 (continuous\$2 near3 encod\$3)) and video and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 13:11 |
| S87 | 2 | ((check verify) adj5 (continuous\$2 near3 (cod\$3 encod\$3))) and video and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 13:12 |
| S88 | 6 | ((check verify) near5 (continuous\$2 adj4 (cod\$3 encod\$3))) and video and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 15:17 |
| S89 | 56 | 725/97 and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 15:27 |
| S90 | 1 | "5727141".pn. | USPAT | OR | OFF | 2005/10/04 16:02 |
| S91 | 69 | ("709"/\$) and (key adj2 frame) and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 16:03 |
| S92 | 56 | ("709"/\$) and ("key frame") and (@ad<"20001113") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 16:03 |
| S93 | 1 | S92 and ((encoded encoding coding coded) near4 (continuous continuously constant consecutiv\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/05 09:04 |
| S94 | 2297 | keyframe\$2 or (key adj frame\$2) | US-PGPUB; USPAT | OR | OFF | 2005/10/05 09:04 |
| S95 | 56180 | "709"/\$ | US-PGPUB; USPAT | OR | OFF | 2005/10/05 09:05 |
| S96 | 192 | S94 and S95 | US-PGPUB; USPAT | OR | OFF | 2005/10/05 09:05 |
| S97 | 997 | 709/247 | US-PGPUB; USPAT | OR | OFF | 2005/10/05 09:05 |

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| S98 | 508 | 709/247.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/10/05 09:05 |
| S99 | 20 | S94 and S98 | US-PGPUB; USPAT | OR | OFF | 2005/10/05 09:10 |
| S10 0 | 16 | S99 and (@ad<"20001113") | US-PGPUB; USPAT | OR | OFF | 2005/10/05 09:10 |